FIG. 1

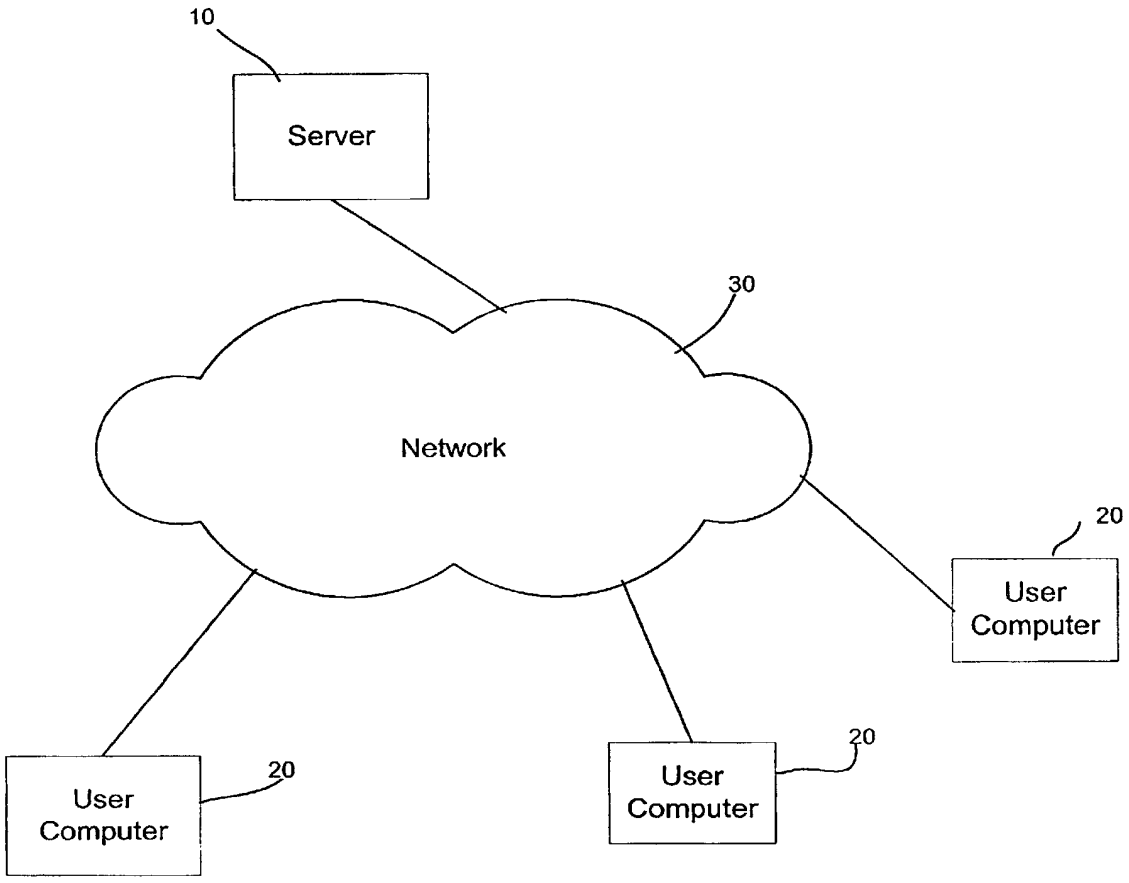

10
Server
30
Network
20
User Computer
20
User Computer
20
User Computer

FIG. 2

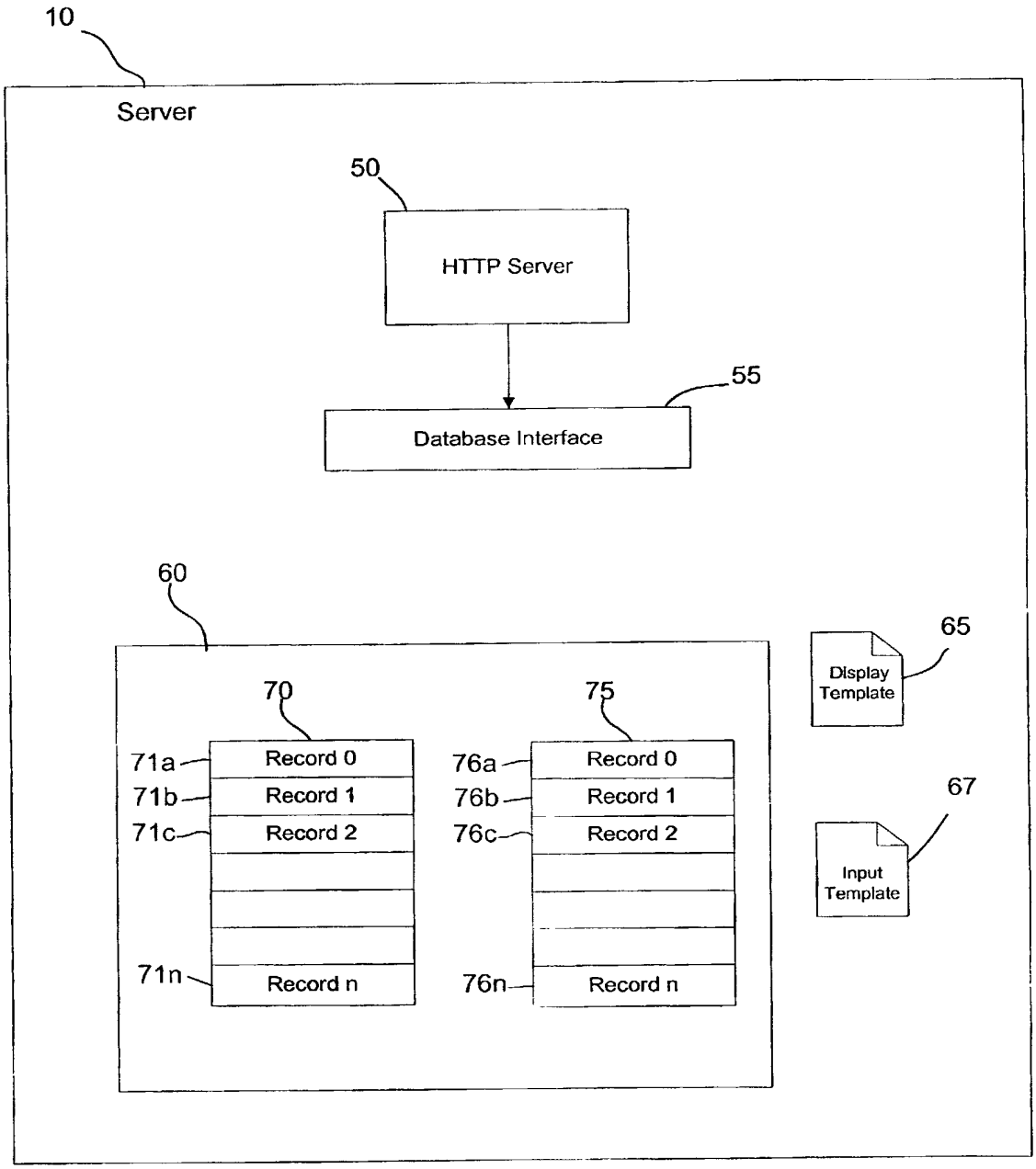
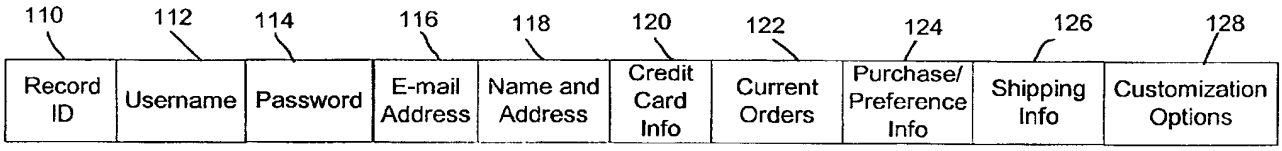

10
Server
50
HTTP Server
55
Database Interface
60
70
75
65
Display Template
67
Input Template
71a
71b
71c
71n
Record 0
Record 1
Record 2
Record n
76a
76b
76c
76n
Record 0
Record 1
Record 2
Record n

FIG. 3

Record 70



Record 75

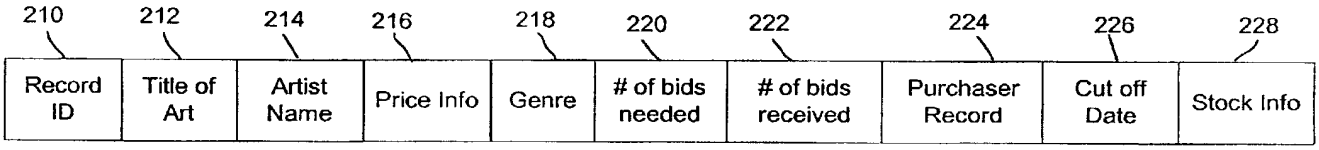


FIG. 4

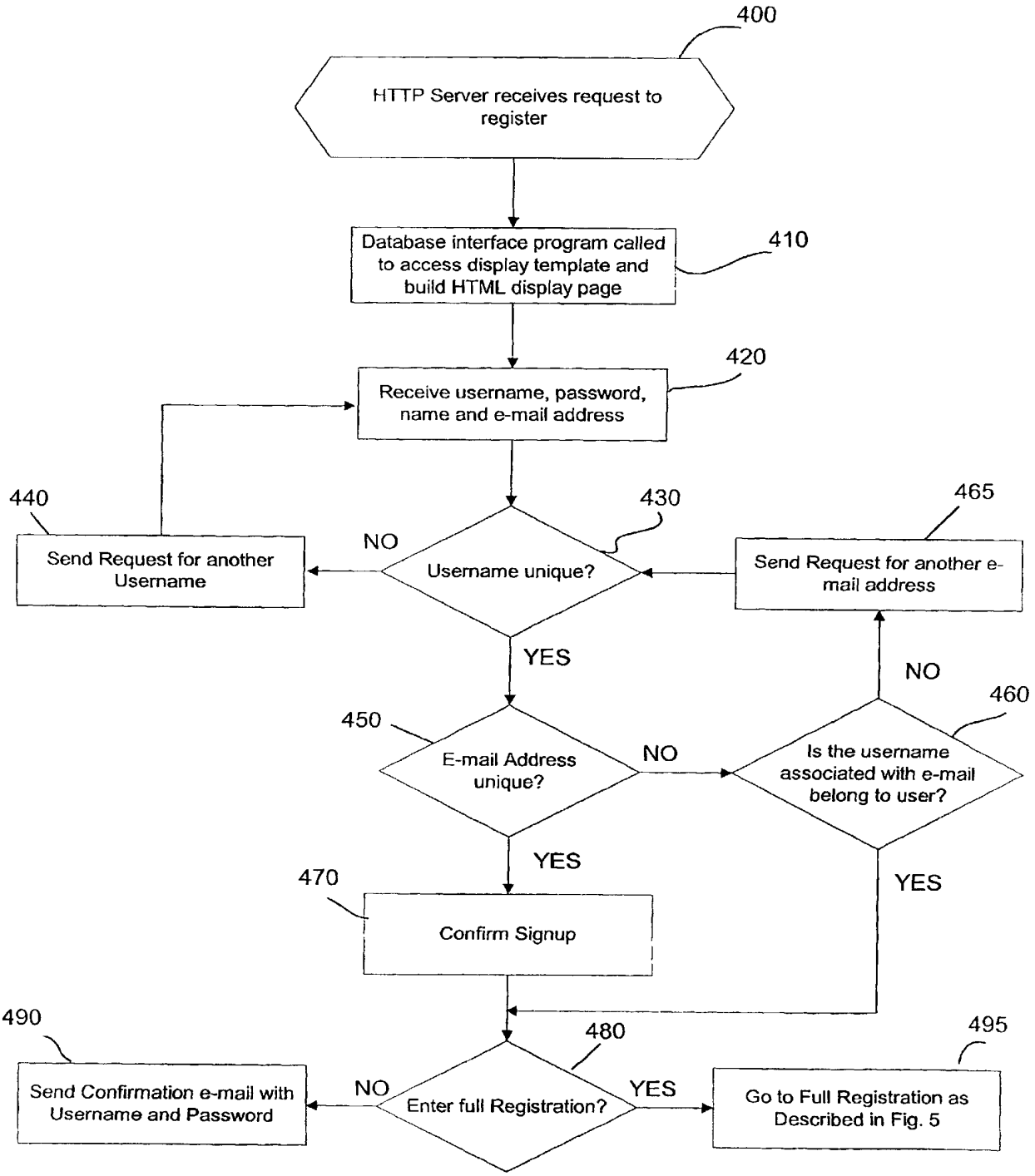

400
HTTP Server receives request to register
Database interface program called to access display template and build HTML display page
410
Receive username, password, name and e-mail address
420
Username unique?
430
NO
Send Request for another Username
440
Send Request for another e-mail address
465
YES
E-mail Address unique?
450
NO
Is the username associated with e-mail belong to user?
460
NO
YES
YES
Confirm Signup
470
Enter full Registration?
480
NO
YES
Send Confirmation e-mail with Username and Password
490
Go to Full Registration as Described in Fig. 5
495

FIG. 5

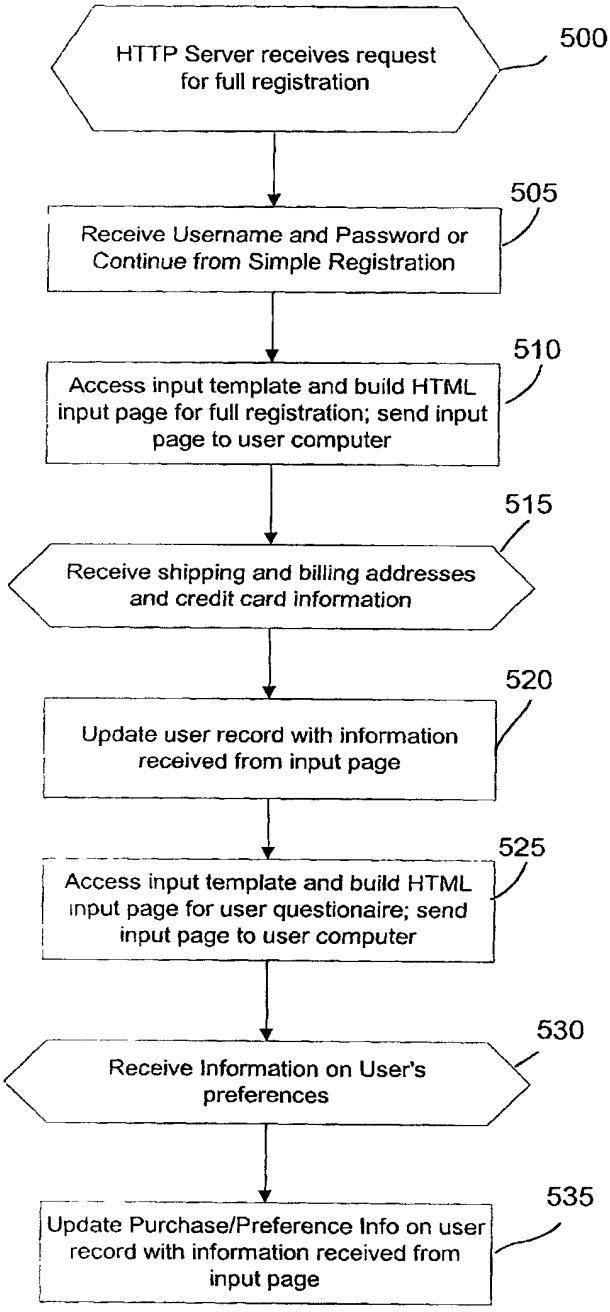

HTTP Server receives request for full registration
500
Receive Username and Password or Continue from Simple Registration
505
Access input template and build HTML input page for full registration; send input page to user computer
510
Receive shipping and billing addresses and credit card information
515
Update user record with information received from input page
520
Access input template and build HTML input page for user questionaire; send input page to user computer
525
Receive Information on User's preferences
530
Update Purchase/Preference Info on user record with information received from input page
535

FIG. 6

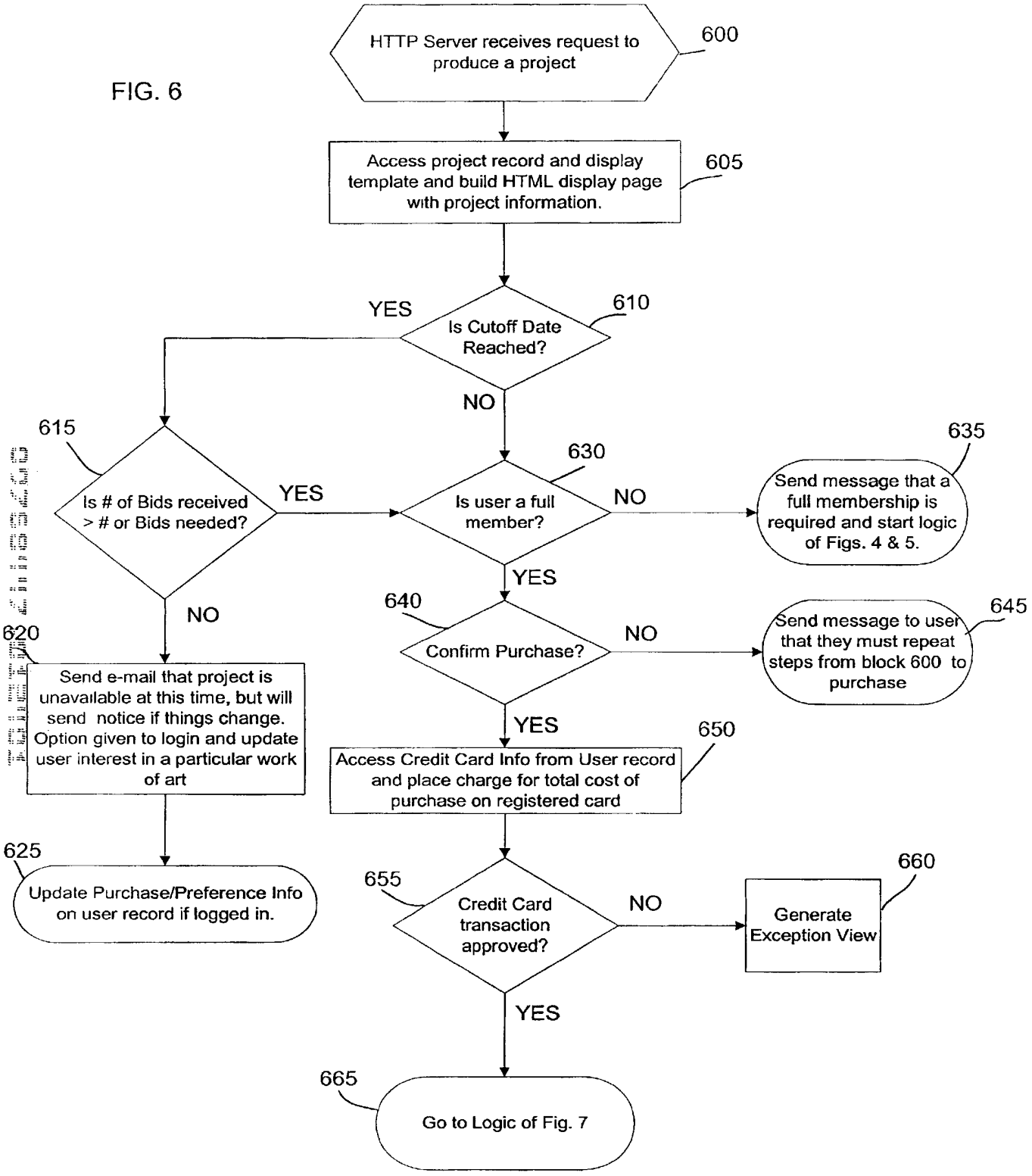

HTTP Server receives request to produce a project
600
Access project record and display template and build HTML display page with project information.
605
Is Cutoff Date Reached?
610
YES
NO
Is # of Bids received > # or Bids needed?
615
YES
NO
Is user a full member?
630
NO
Send message that a full membership is required and start logic of Figs. 4 & 5.
635
YES
Confirm Purchase?
640
NO
Send message to user that they must repeat steps from block 600 to purchase
645
YES
Send e-mail that project is unavailable at this time, but will send notice if things change. Option given to login and update user interest in a particular work of art
620
Access Credit Card Info from User record and place charge for total cost of purchase on registered card
650
Update Purchase/Preference Info on user record if logged in.
625
Credit Card transaction approved?
655
NO
Generate Exception View
660
YES
Go to Logic of Fig. 7
665

FIG. 7

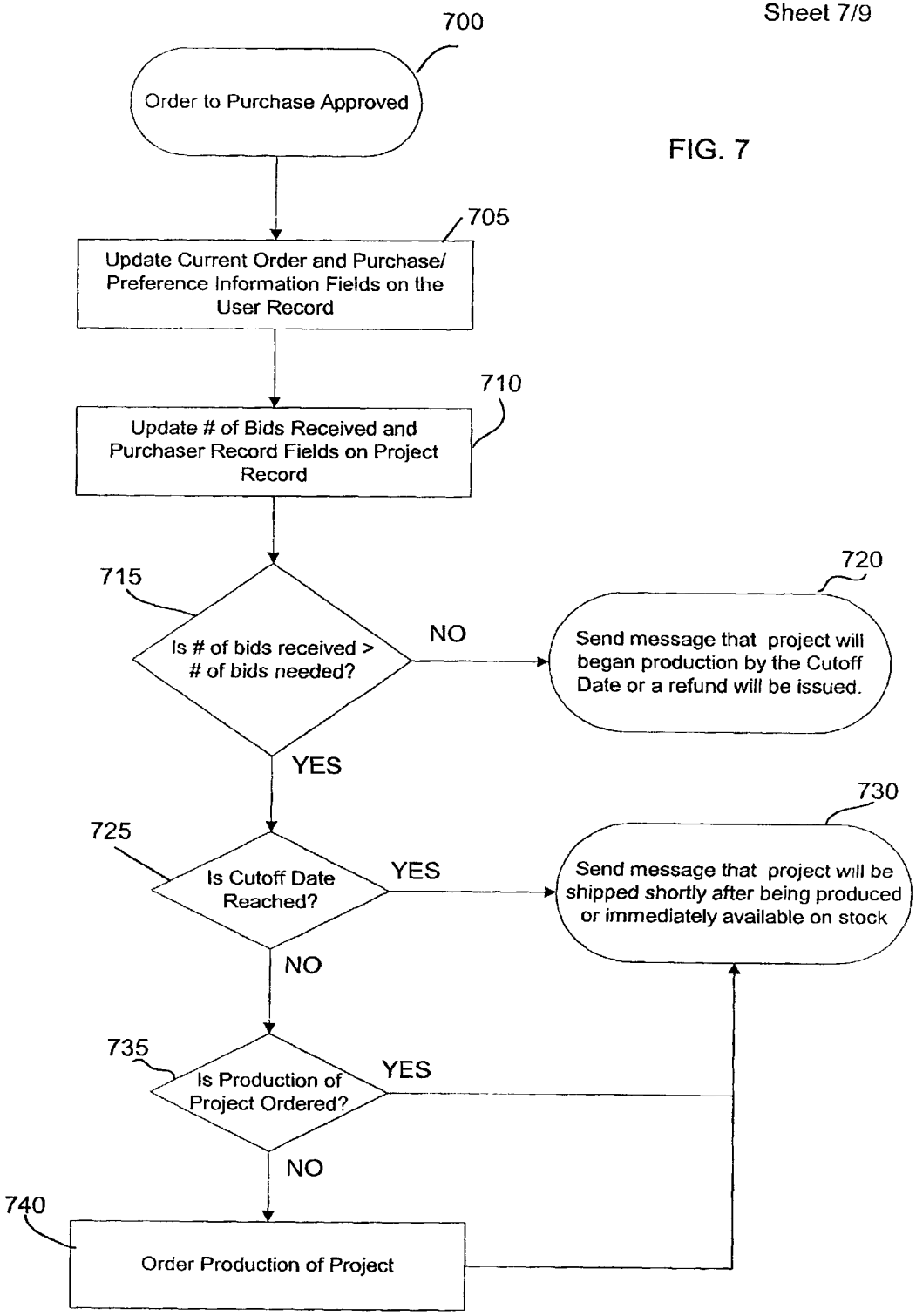

700
Order to Purchase Approved
705
Update Current Order and Purchase/ Preference Information Fields on the User Record
710
Update # of Bids Received and Purchaser Record Fields on Project Record
715
Is # of bids received > # of bids needed?
NO
720
Send message that project will began production by the Cutoff Date or a refund will be issued.
YES
725
Is Cutoff Date Reached?
YES
730
Send message that project will be shipped shortly after being produced or immediately available on stock
NO
735
Is Production of Project Ordered?
YES
NO
740
Order Production of Project

FIG. 8

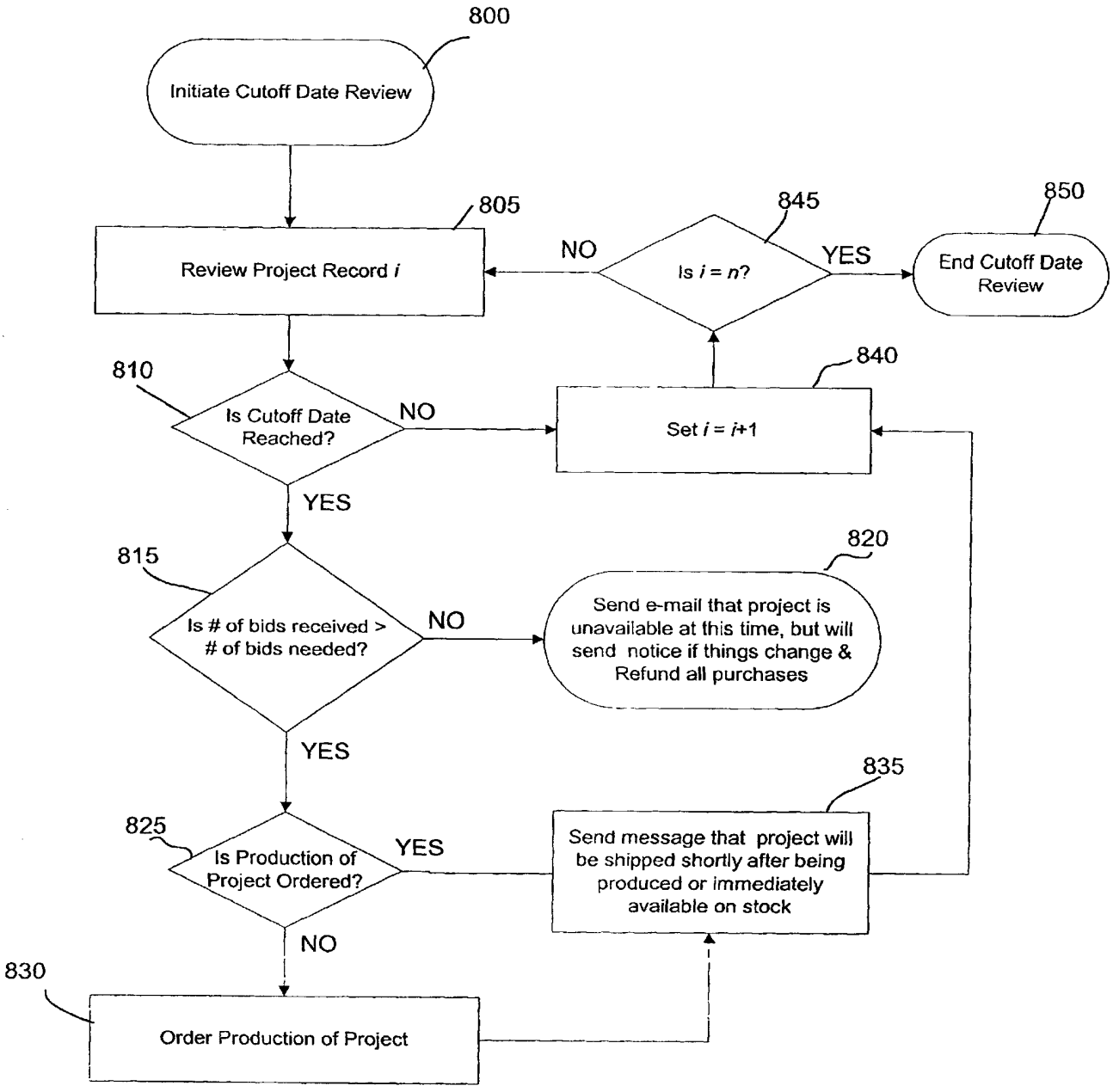
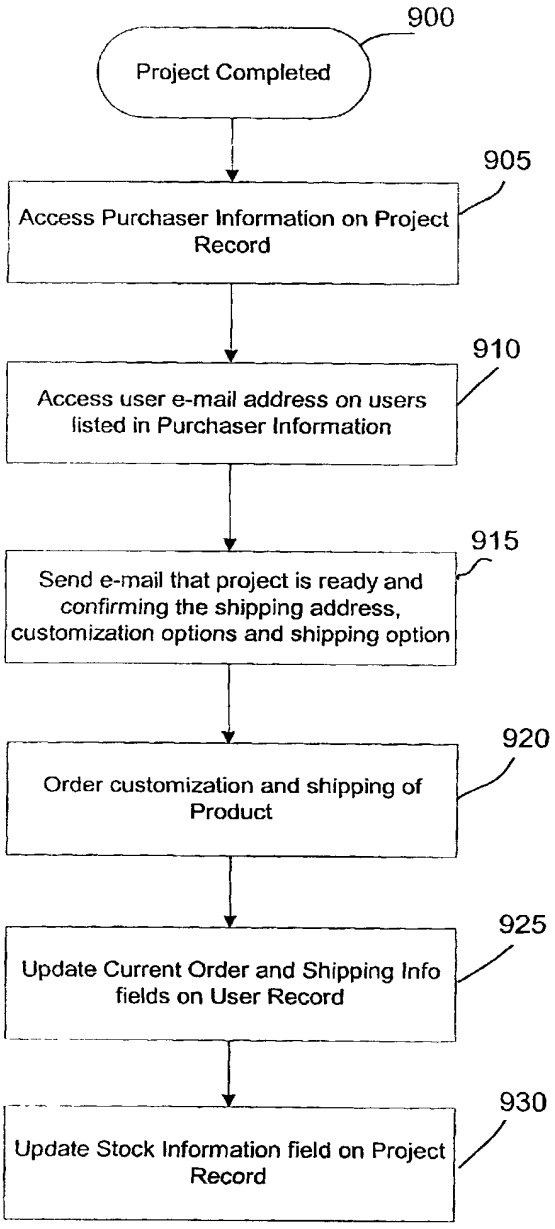

800
Initiate Cutoff Date Review
805
Review Project Record i
845
Is i = n?
NO
YES
850
End Cutoff Date Review
810
Is Cutoff Date Reached?
NO
840
Set i = i+1
YES
815
Is # of bids received > # of bids needed?
NO
820
Send e-mail that project is unavailable at this time, but will send notice if things change & Refund all purchases
YES
835
825
Is Production of Project Ordered?
YES
Send message that project will be shipped shortly after being produced or immediately available on stock
NO
830
Order Production of Project

FIG. 9


900
Project Completed
905
Access Purchaser Information on Project Record
910
Access user e-mail address on users listed in Purchaser Information
915
Send e-mail that project is ready and confirming the shipping address, customization options and shipping option
920
Order customization and shipping of Product
925
Update Current Order and Shipping Info fields on User Record
930
Update Stock Information field on Project Record